**Index of Claims** 

| Appli | cation/ | Contr | ol No. |
|-------|---------|-------|--------|

09/938,585

Examiner

David C. Payne

Applicant(s)/Patent under Reexamination

KAJITA, MIKIHIRO

Art Unit

2613

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| The color of the | Cla   | aim      | Date    |   |   |    |        |   | 1.       | Claim Date |   |     |       |          |        |                 |        |   | ٢      | Cli      | aim      | Date |            |       |          |        |          |          |           |          |                |           |           |   |
|--|-------|----------|---------|---|---|----|--------|---|----------|------------|---|-----|-------|----------|--------|-----------------|--------|---|--------|----------|----------|------|------------|-------|----------|--------|----------|----------|-----------|----------|----------------|-----------|-----------|---|
| 1  | VIC   | ·        | -       | Г | Г | т' |        | Ť | 1        | Т          | Г | 1 : |       |          |        |                 |        |   |        |          | $\dashv$ | }    | Ula<br>Ula |       |          |        | Т        | Ť        | 7016      |          | Т              |           |           |   |
|  | Final | Original | 6/11/06 |   |   |    |        |   |          |            |   | -   | Final | Original |        |                 |        |   |        |          | ļ        |      |            | Final | Original |        | :        |          |           |          |                |           |           |   |
| 3    V   |       | 1        | v       |   |   | İ  | İ      |   |          |            |   | 1   |       | 51       | П      |                 |        |   |        |          | -        | 7    |            |       | 101      |        |          | $\neg$   | $\neg$    | 一        |                | ╛         | $\neg$    |   |
| A  |       | 2        |         |   |   |    |        | Т |          |            |   | 1   |       |          | П      |                 |        |   |        | T        |          | ٦    | 1          |       |          |        |          | $\neg$   |           | T        |                | ヿ         | ヿ         |   |
| A  |       | 3        | ٧       |   |   |    | 1      |   |          |            |   | 1   |       | 53       |        | 1               | İ      |   |        |          | $\neg$   | 1    | ı          |       | 103      |        |          |          |           | T        | 寸              | ヿ         | $\neg$    |   |
| 6   v  |       | A        |         |   |   |    | Г      |   | Π        |            |   | 1   |       |          | П      |                 | 1      |   |        | コ        |          | 7    |            |       |          |        |          |          | $\neg$    |          |                | $\neg$    | T         | _ |
| 107   108   107   108   109  |       | 5        | v       |   | Г |    |        |   | Π        | П          |   | 1   |       | 55       | П      |                 |        |   |        | ヿ        |          | ٦.   | Ī          |       | 105      |        | Ī        |          |           | T        |                | T         |           |   |
| 107   108   109  |       |          | v       |   |   | Π  | Г      |   | Π        |            |   | 1   |       |          | П      | $\Box$          | 1      |   |        | $\neg$   |          |      | Ī          |       |          |        |          | $\neg$   |           | ヿ        |                | $\exists$ |           |   |
| 9   v  |       | 7        | v       |   |   | 1  |        |   |          | Ī          |   | 1   |       |          |        |                 | 1      |   |        |          | T        |      |            |       |          |        |          | 寸        |           |          |                | $\neg$    | $\Box$    |   |
| Art  |       | 8        | v       |   |   |    |        |   |          |            |   | 1   |       | 58       |        | $\neg$          | 1      |   |        |          | $\neg$   |      | Ī          |       | 108      |        |          | 寸        | ヿ         | $\neg$   | T              | $\exists$ | $\neg$    |   |
| AT   |       |          | v       |   |   |    |        |   |          |            |   | 1   |       |          | П      |                 | 1      |   |        |          |          | 7    |            |       |          |        |          | T        | $\exists$ |          | T              | T         | $\exists$ |   |
| AT   |       | 10       |         |   |   |    |        |   |          |            |   | 1   |       | 60       | П      |                 |        |   |        |          | $\neg$   | 7    | _ [        |       | 110      |        |          | T        |           |          |                | $\Box$    | T         |   |
| 12   |       | 11       |         |   |   | Γ  | Γ      |   | Π        |            |   | 1   |       | 61       | П      |                 |        |   |        |          | $\neg$   |      | Ī          |       | 111      |        |          |          |           |          |                |           |           |   |
| 14    v  |       | 12       | v       |   |   |    | Г      |   | Ī        |            |   | 1   |       | 62       | П      | $\neg$          | 1      |   |        |          | $\neg$   |      | Ī          |       |          |        |          | T        | ヿ゙        |          |                | T         | T         |   |
| 15    v  |       | 13       |         |   |   |    |        |   |          | Г          |   | 1   |       | 63       | П      |                 | 1      |   |        | T        |          | 7    | ſ          |       | 113      |        |          | T        | $\neg$    | П        |                | $\neg$    | $\neg$    |   |
| 15    v  |       | 14       | v       |   |   |    |        |   | L        |            |   | ].  |       | 64       |        |                 |        |   |        |          |          |      | - [        |       | 114      |        |          | 寸        | 7         | 7        | $\neg$         | $\dashv$  | $\dashv$  | _ |
| 16   |       |          | ٧       |   |   |    |        |   |          |            |   |     |       | 65       |        |                 |        |   |        |          |          | 7    |            |       | 115      |        |          | 丁        | 寸         |          | $\neg$         | $\neg$    |           | _ |
| 17    v  |       |          | v       |   |   |    |        |   |          |            |   | ľĺ  |       | 66       |        |                 |        |   |        |          |          | 7    | ıſ         |       | 116      |        |          |          | $\neg$    |          |                | $\dashv$  | ヿ         | _ |
| 19    v  |       | 17       | >       |   |   | Г  |        |   |          |            |   | 1   |       | 67       | П      |                 | 1      |   |        |          | 丁        | 7    | 1          |       |          |        | T        | 寸        | 寸         |          |                | T         | $\neg$    |   |
| 120  |       | 18       | ٧       |   |   |    |        |   |          |            |   | 1   |       |          | П      | $\neg$          | 1      | П |        | T        |          | ٦,   | - [        |       |          |        |          |          | $\neg$    | 寸        | _              | $\dashv$  | $\neg$    | _ |
| 120  |       | 19       | ٧       |   |   |    |        |   | 1        |            |   | ١   |       | 69       |        |                 |        |   |        |          |          | 7    | - [        |       |          |        |          | 丁        | $\neg$    | 7        | ╛              | ヿ         | $\neg$    |   |
| 21 v   71   72   121   122   123   123   123   124   124   124   124   124   124   125   125   126   126   126   126   127   127   127   127   127   128   128   129   129   129   130   133   13  |       |          | ٧       |   |   |    |        |   |          |            |   |     |       | 70       |        |                 | 1      |   |        |          |          | ٦,   | Ī          |       | 120      | $\neg$ | $\neg$   |          |           |          | $\neg$         | 寸         | $\neg$    |   |
| 22 v   72   122   123   123   123   124   124   124   124   125   126   125   126   127   126   127   127   128   128   129   129   129   130   130   130   131   131   132   133   133   133   133   133   133   133   134   134   134   134   134   134   134   134   134   134   135   136   136   137   138   138   138   139   139   140   140   141   141   141   142   142   143   144   144   144   144   144   144   144   144   144   144   144   144   144   144   144   144   145   146   147   147   148   148   148   148   148   148   149   149   144   149   144   149   144   149   144   144   144   144   144   144   144   144   144   1  |       | 21       | >       |   |   |    |        |   |          |            |   |     |       |          |        | $\top$          | 1      |   |        |          |          | 7    | . 9        |       |          |        |          | T        | T         |          |                | $\neg$    | ヿ         |   |
| 23   123   123   124   124   124   125   125   125   125   126   126   127   127   127   127   127   127   127   128   128   129   129   129   130   130   130   130   130   131   131   131   132   132   132   132   132   132   133   133   133   133   134   134   134   134   134   135   136   136   136   136   137   137   138   138   138   138   138   139   140   141   141   141   141   141   141   141   142   143   144   144   144   144   144   144   144   145   146   147   147   148   148   148   149   14  |       | 22       | ٧       |   |   |    |        |   | Π        |            |   | 1   |       | 72       |        |                 | 1      |   |        | $\neg$   |          | 7    | 1          |       |          |        |          |          | $\neg$    | ヿ        | 寸              | ヿ         | $\neg$    | _ |
| 24   124   124   124   125   125   126   125   126   126   127   127   127   127   127   128   128   128   129   129   129   130   130   131   131   131   131   131   131   131   131   132   132   133   13  |       |          |         |   |   |    |        |   | Г        |            |   | 1   |       | 73       |        |                 | 1      |   |        | $\neg$   |          |      |            |       |          | ヿ      | $\neg$   | 十        |           | $\neg$   | ヿ              | ヿ         | ヿ         |   |
| 26     76     126     127     127     127     128     127     128     128     128     129     129     129     130     130     131     131     131     132     132     132     132     133     133     133     133     133     133     133     133     134     134     134     134     134     134     135     135     136     136     137     137     138     138     138     138     139     140     141     141     141     141     142     142     142     142     143     144     144     144     144     144     144     144     145     146     147     148     148     148     149  |       | 24       |         |   |   |    |        |   | Ì        |            |   | 1   |       |          |        | Î               |        |   |        | $\neg$   |          |      |            |       | 124      |        | $\neg$   | 丁        |           | 寸        |                | $\top$    | $\dashv$  | _ |
| 26     76     126     127     127     127     128     127     128     128     128     129     129     129     130     130     131     131     131     132     132     132     132     133     133     133     133     133     133     133     133     134     134     134     134     134     134     135     135     136     136     137     137     138     138     138     138     139     140     141     141     141     141     142     142     142     142     143     144     144     144     144     144     144     144     145     146     147     148     148     148     149  |       | 25       |         |   |   |    |        |   |          |            |   |     |       |          |        |                 |        |   |        | 寸        |          | - T  |            |       |          |        | $\neg$   | 一        |           | ╛        | 寸              | $\top$    | $\neg$    | _ |
| 27   28   77   127   128   128   128   129   129   129   130   130   130   130   131   131   131   131   131   131   132   132   132   132   133<  |       | 26       |         |   |   | П  |        |   | Г        |            |   | 1   |       |          |        |                 | 1      |   |        |          |          | ٦.   | ı          |       | 126      |        |          |          |           | 寸        |                | ヿ         | ヿ         |   |
| 28   78   128     29   80   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   85   135     36   86   136     37   87   137     38   88   138     39   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   146     46   96   146     47   98   148     48   98   148     49   99   149  |       |          |         |   |   |    |        |   | $\vdash$ |            |   | 1   |       |          |        |                 | 1      | П |        | $\dashv$ |          | 7    | Ī          |       |          | 一      | $\neg$   | 丁        |           | 寸        | ヿ              | 寸         | 寸         |   |
| 29   79   129     30   80   130     31   81   131     32   82   132     33   84   134     35   85   135     36   86   136     37   87   137     38   88   138     39   90   140     40   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   98   148     49   99   149  |       |          |         |   |   |    |        |   |          |            |   | 1 1 |       | 78       | $\Box$ | $\top$          | 1      | П |        | $\dashv$ |          | 7    | ı          |       |          | 一      | 一        | $\neg$   | 一         |          | T              | 寸         | $\neg$    | _ |
| 30 80 130   31 81 131   32 83 132   33 83 133   34 84 134   35 85 135   36 86 136   37 87 137   38 88 138   39 89 139   40 90 140   41 91 141   42 92 142   43 93 143   44 94 144   45 96 146   47 97 147   48 98 149  |       | 29       |         |   |   | Г  |        |   |          |            |   | 1 1 |       | 79       |        |                 | 1      |   |        | 寸        | $\neg$   |      |            |       | 129      | T      | 一        | $\top$   | 7         | $\neg$   |                | $\dashv$  | $\neg$    | _ |
| 31 81   32 83   33 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 94   44 94   44 94   45 96   46 96   47 98   48 99   149  |       | 30       |         |   |   | Г  |        |   |          |            |   | 1   |       | 80       | $\Box$ |                 | 1      |   |        | $\neg$   | T        | 7    |            |       |          |        |          | $\neg$   | 一         | 一        |                |           | $\neg$    | _ |
| 32 82   33 133   34 134   35 85   36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 96   46 96   47 97   48 98   49 99   148 149  |       | 31       |         |   |   |    |        |   |          |            |   | 1   |       | 81       | $\Box$ |                 |        | П |        |          |          | ٦.   | Ī          |       |          | $\Box$ |          | T        | 1         |          |                | $\neg$    | $\neg$    | _ |
| 33   83   133   134     34   84   134   134     35   85   135   135     36   86   136   137     38   88   138   138     39   89   139   139     40   90   140   141     41   91   141   141     42   92   142   142     43   93   144   144     44   94   144   144     45   95   145   146     47   97   148   148   149  |       | 32       |         |   |   |    |        |   |          |            |   | 1.  |       | 82       |        | $\top$          | 1      |   |        | $\Box$   | $\neg$   | 7    | Ī          |       | 132      |        |          | $\neg$   | $\neg$    |          |                | ヿ         | $\neg$    |   |
| 34       84       134   <td></td> <td>33</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1 1</td> <td></td> <td>83</td> <td><math>\Box</math></td> <td>T</td> <td>1</td> <td>П</td> <td></td> <td>寸</td> <td></td> <td>7.</td> <td></td> <td></td> <td></td> <td>寸</td> <td><math>\neg</math></td> <td><math>\neg</math></td> <td>寸</td> <td></td> <td>T</td> <td><math>\exists</math></td> <td>ヿ</td> <td>_</td>   |       | 33       |         |   |   |    |        |   |          |            |   | 1 1 |       | 83       | $\Box$ | T               | 1      | П |        | 寸        |          | 7.   |            |       |          | 寸      | $\neg$   | $\neg$   | 寸         |          | T              | $\exists$ | ヿ         | _ |
| 35   85   135     36   86   136     37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   149  |       | 34       |         |   |   |    |        |   |          |            |   | ]   |       | 84       |        |                 | 1      |   |        | _        |          | ٦.   | - [        |       | 134      | ヿ      | $\neg$   | $\dashv$ | $\dashv$  | $\dashv$ | $\neg \dagger$ | $\neg$    | ヿ         |   |
| 36   37   88   136   137   137   137   138   138   138   138   138   138   139   139   139   139   139   140   140   140   140   141   141   141   141   141   141   141   141   142   142   142   143   143   144   144   144   144   144   145   146   146   147   147   148   148   148   149<  |       | 35       |         |   |   |    |        |   |          |            |   | ]   |       | 85       |        |                 | Ι      |   |        | _1       | [        |      | 1          | 1     | 135      |        |          | _        | _1        |          |                | $\Box$    |           | _ |
| 37   87   137     38   88   138     39   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |       | 36       |         |   |   |    |        |   |          |            |   | ]   |       | 86       |        |                 | 1      |   |        | _1       |          |      | Ī          | 1     | 136      |        |          |          | ╗         |          | Ţ              |           | $\exists$ | _ |
| 38   39     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   149   |       | 37       |         |   |   |    |        |   |          |            |   | ].  |       | 87       |        |                 |        |   |        |          |          | 1    | Ī          |       | 137      |        |          |          |           |          |                | $\Box$    | ╛         | _ |
| 39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |       |          |         |   |   |    |        |   |          |            |   |     |       |          |        |                 |        |   |        | $\neg$   | $\top$   | 7    |            |       | 138      | 一      | $\neg$   | $\neg$   | 7         | 寸        |                | $\dashv$  | $\neg$    |   |
| 40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |       | 39       |         |   |   |    |        |   |          |            |   |     |       | 89       |        |                 | Τ      |   |        | 一        |          | 7    | 1          |       | 139      |        | $\dashv$ | $\dashv$ | $\dashv$  | $\neg$   | T              | $\neg$    | $\exists$ |   |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99  |       | 40       |         |   |   |    | П      |   |          | П          |   |     |       | 90       |        | T               | 1      |   |        | 寸        | $\top$   | 7    | ı          |       | 140      | $\neg$ | $\neg$   | $\dashv$ | $\dashv$  |          | 寸              | $\neg$    | $\neg$    |   |
| 42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99  |       | 41       |         |   |   |    |        |   |          |            |   | ]   |       | 91       |        |                 |        |   |        | 一        |          |      | Ī          |       | 141      |        |          | $\neg$   | $\neg$    | $\neg$   | $\neg$         | $\dashv$  | $\neg$    |   |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99  |       |          |         |   |   |    |        |   |          |            |   | ].  |       | 92       |        | $\neg$          |        |   | $\Box$ | 7        |          | 7    | Ī          |       | 142      | $\neg$ |          | o        | $\neg$    | $\neg$   |                | 寸         | $\dashv$  | _ |
| 44 94 144   45 95 145   46 96 146   47 97 147   48 98 148   49 99 149  |       | 43       |         |   |   |    |        |   |          |            |   |     |       | 93       |        |                 |        |   |        |          |          | ╗    |            |       | 143      |        | $\neg$   | 十        | $\neg$    | $\neg$ † | 寸              | $\dashv$  | 7         |   |
| 45   |       | 44       |         |   |   |    |        |   |          |            |   |     |       | 94       |        |                 | 1      |   |        |          |          | ٦.   | - [        |       | 144      |        |          | 丁        | $\neg$    |          | 7              | $\dashv$  | ヿ         | _ |
| 46 96   47 97   48 98   49 148   |       | 45       |         |   |   |    | П      |   | П        | Г          |   |     |       | 95       | $\neg$ | $\neg$          | $\top$ | П | $\neg$ | $\dashv$ | $\dashv$ | 7    | 1          |       | 145      | $\neg$ | $\dashv$ | す        | 一         | 寸        | 寸              | $\dashv$  | $\dashv$  | _ |
| 47 97 147   48 98 148   49 99 149  |       | 46       |         |   |   |    |        |   |          |            |   |     |       |          | op     | $\neg$          | T      |   | $\neg$ | $\neg$   | _        | 7    | Ī          |       |          | $\neg$ | $\dashv$ | ┪        | 寸         |          | 寸              | 寸         | $\dashv$  | _ |
| 48 98 148 149 99 149 149 149 1   |       | 47       |         |   |   |    |        |   |          |            |   |     |       |          | o      | $\top$          | $\top$ |   |        | $\neg$   | $\neg$   | 7    | ľ          |       |          |        | 寸        | T        | ヿ         | T        | ヿ              | 寸         | $\dashv$  | _ |
| 49 1 149 149   |       | 48       |         |   |   |    |        |   |          |            |   |     |       |          | 1      | 十               | T      |   | $\neg$ | 寸        | $\neg$   | ٦.   | ı          |       |          | 寸      | 寸        | 寸        | 寸         | 1        | _              | 寸         | $\dashv$  | _ |
|  |       | 49       |         |   |   |    | П      |   |          |            |   |     |       |          |        | 十               | 1      |   | T      | 十        |          | 7    | Ī          |       |          |        |          | 1        |           | 寸        | 7              | $\dashv$  | 7         |   |
|  |       | 50       |         |   |   |    | $\Box$ |   |          |            |   |     |       | 100      | $\Box$ | $\neg \uparrow$ |        |   | $\neg$ | 寸        | $\neg$   | 7    | Ī          |       | 150      | $\neg$ | $\dashv$ | ╅        | 一         | 7        | 7              | ヿ         | $\neg$    |   |